

SGCN and Conservation Actions Associated with Habitat Groupings

Habitat Grouping: Northern Forests and Swamps

Macrogroup Plantation and Ruderal Forest

Habitat System Managed Tree Plantation

Habitat System Ruderal Forest - Northern and Central Hardwood and Conifer

Macrogroup Northern Swamp

Habitat System Acadian-Appalachian Conifer Seepage Forest

Habitat System Laurentian-Acadian Alkaline Conifer-Hardwood Swamp

Habitat System Northern Appalachian-Acadian Conifer-Hardwood Acidic Swamp

Macrogroup Boreal Upland Forest

Habitat System Acadian Low Elevation Spruce-Fir-Hardwood Forest

Habitat System Acadian Sub-boreal Spruce Flat

Habitat System Acadian-Appalachian Montane Spr-Fir-Hwd Forest

Habitat System Boreal Jack Pine-Black Spruce Forest

Macrogroup Boreal Forested Peatland

Habitat System Boreal-Laurentian Conifer Acidic Swamp

Macrogroup Northern Peatland & Fens

Habitat System Acadian Maritime Bog

Habitat System Boreal-Laurentian Bog

Habitat System Boreal-Laurentian-Acadian Acidic Basin Fen

Habitat System Laurentian-Acadian Alkaline Fen

Habitat System North-Central Interior and Appalachian Acidic Peatland

Species Associated with this Grouping Total SGCN: 1: 17 2: 42 3: 24 Total SGCN (primary habitat): 1: 5 2: 10 3: 1

Class	<i>Amphibia</i> (Amphibians)	SGCN Category
Species	<i>Ambystoma laterale</i> (Blue-spotted Salamander)	2
Species	<i>Lithobates pipiens</i> (Northern Leopard Frog)	2
Species	<i>Lithobates septentrionalis</i> (Mink Frog)	3
Class	<i>Aves</i> (Birds)	SGCN Category
Species	<i>Antrostomus vociferus</i> (Eastern Whip-poor-will)	2
Species	<i>Ardea herodias</i> (Great Blue Heron)	2
Species	<i>Asio otus</i> (Long-eared Owl)	3
Species	<i>Cardellina canadensis</i> (Canada Warbler)	2
Species	<i>Catharus bicknelli</i> (Bicknell's Thrush)	1
Species	<i>Catharus fuscescens</i> (Veery)	2
Species	<i>Chordeiles minor</i> (Common Nighthawk)	3
Species	<i>Coccothraustes vespertinus</i> (Evening Grosbeak)	2
Species	<i>Coccyzus americanus</i> (Yellow-billed Cuckoo)	2
Species	<i>Contopus cooperi</i> (Olive-sided Flycatcher)	2
Species	<i>Egretta thula</i> (Snowy Egret)	3
Species	<i>Euphagus carolinus</i> (Rusty Blackbird)	1
Species	<i>Falcipennis canadensis</i> (Spruce Grouse)	3
Species	<i>Megascops asio</i> (Eastern Screech-owl)	3
Species	<i>Mniotilta varia</i> (Black-and-white Warbler)	2
Species	<i>Nycticorax nycticorax</i> (Black-crowned Night-heron)	2
Species	<i>Oreothlypis peregrina</i> (Tennessee Warbler)	2

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Species	<i>Pipilo erythrophthalmus</i> (Eastern Towhee)	2
Species	<i>Poecile hudsonicus</i> (Boreal Chickadee)	2
Species	<i>Regulus calendula</i> (Ruby-crowned Kinglet)	2
Species	<i>Scolopax minor</i> (American Woodcock)	3
Species	<i>Setophaga discolor</i> (Prairie Warbler)	2
Species	<i>Setophaga pensylvanica</i> (Chestnut-sided Warbler)	2
Species	<i>Setophaga ruticilla</i> (American Redstart)	2
Species	<i>Toxostoma rufum</i> (Brown Thrasher)	2
Species	<i>Tyrannus tyrannus</i> (Eastern Kingbird)	2
Species	<i>Vermivora cyanoptera</i> (Blue-winged Warbler)	2
Class	<i>Gastropoda</i> (Aquatic And Terrestrial Snails)	SGCN Category
Species	<i>Vertigo malleata</i> (Malleated Vertigo)	3
Species	<i>Vertigo morsei</i> (Six-whorl Vertigo)	1
Species	<i>Vertigo paradoxa</i> (Mystery Vertigo)	2
Class	<i>Insecta</i> (Insects)	SGCN Category
Species	<i>Aeshna juncea</i> (Sedge Darner)	2
Species	<i>Ameletus browni</i> (A Mayfly)	3
Species	<i>Baetisca carolina</i> (A Mayfly)	3
Species	<i>Baetisca lacustris</i> (A Mayfly)	3
Species	<i>Baetisca rubescens</i> (A Mayfly)	3
Species	<i>Boloria chariclea grandis</i> (Purple Lesser Fritillary)	2
Species	<i>Boloria frigga saga</i> (Frigga Fritillary)	1
Species	<i>Callophrys hesseli</i> (Hessel's Hairstreak)	1
Species	<i>Enallagma laterale</i> (New England Bluet)	2
Species	<i>Enallagma pictum</i> (Scarlet Bluet)	2
Species	<i>Epeorus frisoni</i> (Roaring Brook Mayfly)	1
Species	<i>Hemaris gracilis</i> (Graceful Clearwing)	3
Species	<i>Lanthus vernalis</i> (Southern Pygmy Clubtail)	2
Species	<i>Leucorrhinia patricia</i> (Canada Whiteface)	2
Species	<i>Lithophane lepida lepida</i> (Pine Pinion)	2
Species	<i>Lycaena dorcas claytoni</i> (Clayton's Copper)	2
Species	<i>Metretopus borealis</i> (A Mayfly)	3
Species	<i>Nepytia pellucidaria</i> (A Moth)	3
Species	<i>Nixe horrida</i> (A Mayfly)	3
Species	<i>Ophiogomphus colubrinus</i> (Boreal Snaketail)	1
Species	<i>Ophiogomphus howei</i> (Pygmy Snaketail)	2
Species	<i>Parameletus midas</i> (A Mayfly)	3
Species	<i>Plebejus idas</i> (Northern Blue)	2
Species	<i>Plebejus idas empetri</i> (Crowberry Blue)	2
Species	<i>Polygonia satyrus</i> (Satyr Comma)	3
Species	<i>Rhithrogena undulata</i> (A Mayfly)	3
Species	<i>Siphonisca aerodromia</i> (Tomah Mayfly)	1
Species	<i>Siphonurus barbaroides</i> (A Mayfly)	3
Species	<i>Siphonurus barbarus</i> (A Mayfly)	2

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Species	<i>Siphonurus demaryi</i> (A Mayfly)	2
Species	<i>Somatochlora brevicincta</i> (Quebec Emerald)	2
Species	<i>Williamsonia lintneri</i> (Ringed Boghaunter)	1
Species	<i>Xylena thoracica</i> (Acadian Swordgrass Moth)	3
Class	<i>Mammalia</i> (Mammals)	SGCN Category
Species	<i>Lasionycteris noctivagans</i> (Silver-haired Bat)	2
Species	<i>Lasiurus borealis</i> (Eastern Red Bat)	3
Species	<i>Lasiurus cinereus</i> (Hoary Bat)	3
Species	<i>Lynx canadensis</i> (Canada Lynx)	2
Species	<i>Myotis leibii</i> (Eastern Small-footed Myotis)	1
Species	<i>Myotis lucifugus</i> (Little Brown Bat)	1
Species	<i>Myotis septentrionalis</i> (Northern Long-eared Myotis)	1
Species	<i>Perimyotis subflavus</i> (Tri-colored Bat)	2
Species	<i>Sorex dispar</i> (Long-tailed Shrew)	3
Species	<i>Sylvilagus transitionalis</i> (New England Cottontail)	1
Species	<i>Synaptomys borealis sphagnicola</i> (Northern Bog Lemming)	1
Class	<i>Reptilia</i> (Reptiles)	SGCN Category
Species	<i>Clemmys guttata</i> (Spotted Turtle)	1
Species	<i>Emydoidea blandingii</i> (Blanding's Turtle)	1
Species	<i>Glyptemys insculpta</i> (Wood Turtle)	1
Species	<i>Storeria dekayi dekayi</i> (Northern Brownsnake)	2
Species	<i>Terrapene carolina carolina</i> (Eastern Box Turtle)	2
Species	<i>Thamnophis sauritus</i> (Eastern Ribbon Snake)	2

Habitat Stressors:

Habitat-specific stressors are assigned to the Habitat Macrogroup(s) listed in the Habitat Grouping above. Habitat Macrogroup reports can be found in Maine's 2015 Wildlife Action Plan: Element 2, Table 2-3. Click on the Habitat Macrogroup of interest to launch a habitat based report summarizing relevant stressors and associated SGCN.

Conservation Actions Assigned to this Habitat Grouping:

Conservation Action	Category: Habitat Management	Biological Priority: critical	Type: new
Provide support for landowner incentives for SGCN habitat management in northern forests and swamps and south-central forests and swamps			
Stressor(s) Addressed By This Conservation Action			
Utility and Service Lines, Roads and Railroads, Commercial and Industrial Areas , Logging and Wood Harvesting, Tourism Recreational Areas			
Conservation Action	Category: Habitat Management	Biological Priority: critical	Type: new
Collaborate with forest landowners and managers to discuss options for voluntary integration of SGCN habitat conservation actions into outcome-based forestry practices			
Stressor(s) Addressed By This Conservation Action			
Logging and Wood Harvesting			
Conservation Action	Category: Habitat Management	Biological Priority: critical	Type: on-going
Encourage conservation of northern forest and swamp habitats, including late successional forests, using a variety of approaches such as easements and leases			

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Stressor(s) Addressed By This Conservation Action

Utility and Service Lines, Roads and Railroads, Commercial and Industrial Areas , Housing and Urban Areas, Logging and Harvesting, Tourism and Recreational Areas

Conservation Action	Category: Habitat Management	Biological Priority: critical	Type: on-going
Offer collaboration and technical expertise to forest certification systems for a subset of applicable SGCN and their forest habitats			

Stressor(s) Addressed By This Conservation Action

Logging and Wood Harvesting

Conservation Action	Category: Habitat Management	Biological Priority: high	Type: on-going
Consider alternate chemicals or techniques to control invasive species and diseases in northern forests and swamps (especially spruce budworm) and south-central forests and swamps			

Stressor(s) Addressed By This Conservation Action

Problematic Native Species-Diseases, Invasive Non-native-Alien Species-Diseases

Conservation Action	Category: Policy	Biological Priority: critical	Type: new
Provide support for existing tree growth tax law to discourage conversion of northern forest and swamp SGCN habitats to other non-forested land types			

Stressor(s) Addressed By This Conservation Action

Utility and Service Lines, Roads and Railroads, Housing and Urban Areas, Commercial and Industrial Areas , Logging and Harvesting

Conservation Action	Category: Public Outreach	Biological Priority: critical	Type: new
Provide outreach to landowners and the public on the effects of roads on northern forest and swamp SGCN habitats			

Stressor(s) Addressed By This Conservation Action

Roads and Railroads

Conservation Action	Category: Public Outreach	Biological Priority: critical	Type: on-going
Provide outreach and education to the general public on the importance of societal consumption of forest products for providing SGCN habitat through forest habitat management			

Stressor(s) Addressed By This Conservation Action

Logging and Wood Harvesting

Conservation Action	Category: Public Outreach	Biological Priority: moderate	Type: on-going
Increase outreach and education to the public and landowners on the role of fire in maintaining northern forest and swamp SGCN habitats			

Stressor(s) Addressed By This Conservation Action

Habitat Shifting or Alteration, Fire and Fire Suppression

Conservation Action	Category: Public Outreach	Biological Priority: moderate	Type: on-going
Provide outreach and education to recreationalists on reducing impacts to northern forest and swamp SGCN habitats			

Stressor(s) Addressed By This Conservation Action

Recreational Activities, Tourism and Recreational Areas

Conservation Action	Category: Research	Biological Priority: critical	Type: new
Continue research to better understand and mitigate impacts of climate change on northern forest and swamp SGCN habitats			

Stressor(s) Addressed By This Conservation Action

Habitat Shifting or Alteration

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Conservation Action	Category: Survey and Monitoring	Biological Priority: critical	Type: new
Assess conserved lands, especially northern forests and swamps and rocky summits/outcrops/mountaintops, for climate change resiliency and use this information to guide future conservation efforts			
Stressor(s) Addressed By This Conservation Action			
Habitat Shifting or Alteration			
Conservation Action	Category: Survey and Monitoring	Biological Priority: critical	Type: new
Identify and conserve through a variety of voluntary approaches boreal forest refugia associated with SGCN			
Stressor(s) Addressed By This Conservation Action			
Habitat Shifting or Alteration			
Conservation Action	Category: Survey and Monitoring	Biological Priority: high	Type: on-going
Continue stewardship/habitat monitoring on conserved northern forest and swamp lands			
Stressor(s) Addressed By This Conservation Action			
Recreational Activities			
Conservation Action	Category: Survey and Monitoring	Biological Priority: high	Type: on-going
Continue monitoring for invasive and problematic species and diseases, especially forest insect pests, in northern forest and swamps and south-central forests and swamps			
Stressor(s) Addressed By This Conservation Action			
Invasive Non-native-Alien Species-Diseases, Problematic Native Species-Diseases			
Conservation Action	Category: Survey and Monitoring	Biological Priority: high	Type: on-going
Continue long-term monitoring of SGCN habitat condition and forest structure in northern forests and swamps through programs such as the annual Forest Inventory and Analysis			
Stressor(s) Addressed By This Conservation Action			
Utility and Service Lines, Roads and Railroads, Housing and Urban Areas, Commercial and Industrial Areas , Logging and Harvesting			

Species Conservation Actions:

Conservation actions that may benefit species associated with this habitat grouping can be found in Maine's 2015 Wildlife Action Plan: Element 1, Table 1-3. Click on the species of interest to launch a species based report summarizing relevant conservation actions and associated habitats.

The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.